

# Converting Colors

$Y_{xy}(41.3371, 0.2480, 0.4128)$

Have a look what the booklet for  
Yxy(41.3371, 0.2480, 0.4128)  
contains.

<b>Yxy(41.5552, 0.2483, 0.4140)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(41.5552, 0.2483, 0.4140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C492
RGB	0, 196, 146
RGB Percent	0%, 77%, 57%
CMY	1.0000, 0.2313, 0.4275
CMYK	1.00, 0.00, 0.26, 0.23
HSL	165°, 100%, 38%
HSV	165°, 100%, 77%
XYZ	24.9231, 41.5552, 33.8966
YIQ	131.6960, -100.7660, -57.1020

# Conversions

## Conversions Part 2

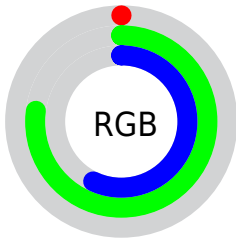
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 112, 196
Decimal	50322
CIELab	70.56, -53.09, 13.70
CIELCh	71, 54.826, 165.531
Yxy	41.5552, 0.2483, 0.4140
Android (android.graphics.Color)	4278240402 (0xFF00C492)
YUV	131.6960, 7.0519, -115.4974
Hunter-Lab	64.4633, -43.7984, 13.9480

# Details

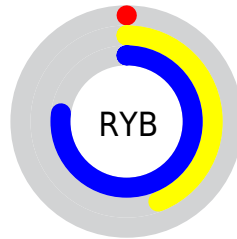
The Yxy color **41.5552, 0.2483, 0.4140** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **11.9677, 0.5923, 0.3037**, and the grayscale version is **22.9624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7631, 0.2610, 0.3971**, and **19.8760, 0.2546, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **41.5597, 0.2483, 0.4140**, and if you desaturate by 10%, it is **41.8634, 0.2475, 0.4046**.

# Distribution



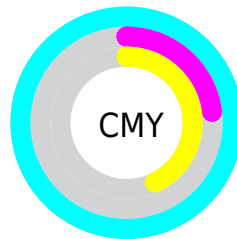
- Red (0%)
- Green (77%)
- Blue (57%)



- Red (0%)
- Yellow (44%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (23%)




- Cyan (100%)
- Magenta (23%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5552, 0.2483, 0.4140 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 41.5552, 0.2483, 0.4140 by changing the saturation by 10% instead.




 41.5552, 0.2483,  
0.4140

 41.5552, 0.2483,  
0.4140

352.6357, 0.2820,  
0.3685

 28.7532, 0.2394,  
0.4264


 77.5260, 0.2609,  
0.3967

 18.8942, 0.2278,  
0.4428


 101.4635, 0.2655,  
0.3905

 11.5938, 0.2120,  
0.4659


 129.8817, 0.2694,  
0.3853

 6.4678, 0.1891,  
0.5002

 163.1649, 0.2726,  
0.3809

 3.1315, 0.1541,  
0.5558

 201.6975, 0.2755,  
0.3771

 1.2008, 0.0000,  
0.7919

245.8639, 0.2779,

 0.0623, 0.0000,

0.3739

1.0000

296.0485, 0.2801,  
0.3710

■ 0.0000, 0.0000,  
0.0000

■ 41.5552, 0.2483,  
0.4140

■ 41.5552, 0.2483,  
0.4140

■ 41.5597, 0.2483,  
0.4140

■ 41.8634, 0.2475,  
0.4046

■ 42.3201, 0.2482,  
0.3951

■ 42.9816, 0.2509,  
0.3855

■ 43.8747, 0.2555,  
0.3761

■ 45.0220, 0.2619,  
0.3670

■ 46.4435, 0.2700,  
0.3583

■ 48.1571, 0.2794,  
0.3500

■ 50.1791, 0.2898,  
0.3424

■ 52.5247, 0.3010,  
0.3354

# Harmonies

## Analogous

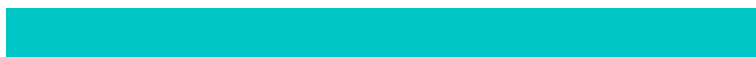
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5552, 0.3204, 0.4700



41.5552, 0.2483, 0.4140



41.5552, 0.1975, 0.3285

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.5552, 0.2483, 0.4140



41.5552, 0.2237, 0.2097



41.5552, 0.4701, 0.3686

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.5552, 0.2483, 0.4140



11.9677, 0.5923, 0.3037

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.5552, 0.4402, 0.3113



41.5552, 0.2483, 0.4140



41.5552, 0.2883, 0.2249

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.5552, 0.2483, 0.4140



41.5552, 0.1862, 0.2192



41.5552, 0.3695, 0.2609



41.5552, 0.4506, 0.4255



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5552, 0.2483, 0.4140



41.5552, 0.1805, 0.2782



41.5552, 0.3695, 0.2609



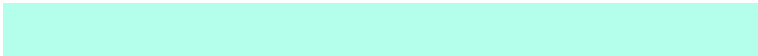
41.5552, 0.4658, 0.3492

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.5597, 0.2483, 0.4140



87.0700, 0.2789, 0.3504



40.2220, 0.3112, 0.5911



18.3402, 0.2747, 0.3539



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.5597, 0.2483, 0.4140



75.2344, 0.2487, 0.4154



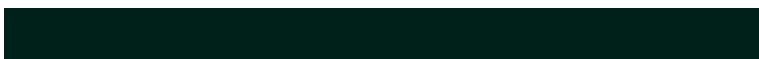
25.8866, 0.2032, 0.2515



11.3831, 0.3018, 0.3349



26.7152, 0.2480, 0.4127



1.1649, 0.2421, 0.3917



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.9677, 0.5923, 0.3037



21.6425, 0.5960, 0.3057



13.6706, 0.6118, 0.3524



10.1191, 0.3250, 0.3231



7.7008, 0.5888, 0.3018

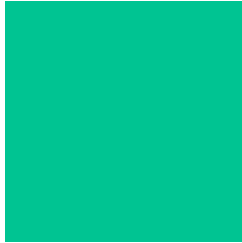


0.3444, 0.5233, 0.2656



# Previews

## White Background



This preview shows how the Yxy color 41.5552, 0.2483, 0.4140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.5552, 0.2483, 0.4140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.5552, 0.2483, 0.4140**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.5552, 0.2483, 0.4140.



This preview shows how white text looks on a background with the Yxy color 41.5552, 0.2483, 0.4140.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

41.5552, 0.2483, 0.4140

### Protanopia

40.7921, 0.3554, 0.3799

### Deuteranopia

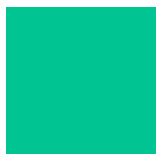
40.8123, 0.3525, 0.3449



## Tritanopia

41.3828, 0.2278, 0.3047

# Trichromacy



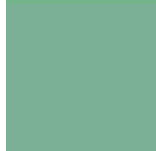
## Original Color

41.5552, 0.2483, 0.4140



## Protanomaly

38.1905, 0.2921, 0.3968



## Deuteranomaly

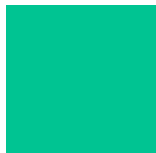
37.5378, 0.2893, 0.3701



## Tritanomaly

41.1316, 0.2329, 0.3415

# Monochromacy



## Original Color

41.5552, 0.2483, 0.4140



## Achromatopsia

23.0740, 0.3127, 0.3290



## Achromatomaly

27.1337, 0.2657, 0.3624

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.5552, 0.2483, 0.4140 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 196, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 146)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 196, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 41.5552, 0.2483, 0.4140 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 196, 146) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 196, 146) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 196, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.5552, 0.2483, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 146) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 196,  
146) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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